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TITLE : PRODUCTION OF CONJUGATED LINOLEIC ACID AND FOOD CONTAINING THE SAME

ABSTRACT : PURPOSE: To selectively produce a conjugated linoleic acid, and to produce a food excellent in oxidation resistance, etc.

CONSTITUTION: Fats and oils are mixed and emulsified with a protein aqueous solution, and the emulsified composition is hydrogenated in the presence of a catalyst to produce fats and oils containing a conjugated linoleic acid. Further, a food mixed with the fats and the oils containing the conjugated linoleic acid in a high concentration is produced. The fats and the oils can be hydrogenated in the emulsified state of the protein aqueous solution to selectively produce the conjugated linoleic acid. A food excellent in the oxidation resistance and the browning-preventing property can be obtained by the addition of the conjugated linoleic acid.

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OPTICAL SYSTEM BEING FREE OF EXPANSION AND UNDULATION AND OPTICAL
DEVICE

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ABSTRACT

PURPOSE: To secure an optical system capable of expansion and undulation without rotating an image itself and an optical device.

CONSTITUTION: This optical system is provided with a series of optical paths formed by way of four reflecting members M1 to M4, and these optical paths comprise five optical axes ranging from at least a first optical axis A1 to a fifth optical axis A5 or the central axis, therefore a second optical axis A2 and a fourth optical axis A4 are paralleled with each other, and each one end at the same side is made orthogonal with both ends of a third optical axis A3, and in consequence, these second, third and fourth optical axes A2, A3 and A4 are arranged on the same plane in 'U' shaped form. In addition, each one end of these first and fifth optical axes A1 and A5 are made optical with each other at the other end between the second optical axis A2 and the fourth optical axis A4, and when all optical axes ranging from the first optical axis A1 to the fifth optical axis 5 are placed on the same plane, the first optical axis A1 and the fifth optical axis A5 are extended in the opposite direction with each other, and the first optical axis A1 and the fifth optical axis A5 are symmetrically synchronized and rotatably synchronized with each other centering on the second optical axis A2 and the fourth optical axis A4.